

Title (en)

POWER SUPPLY CONTROL SYSTEM AND DEVICE

Title (de)

STROMVERSORGUNGSSTEUERUNGSSYSTEM UND VORRICHTUNG

Title (fr)

SYSTÈME DE COMMANDE D'ALIMENTATION ET DISPOSITIF ASSOCIÉ

Publication

**EP 2649716 A4 20171122 (EN)**

Application

**EP 11847074 A 20111209**

Priority

- AU 2010905447 A 20101209
- US 201161432564 P 20110113
- AU 2011001598 W 20111209

Abstract (en)

[origin: WO2012075542A1] Power supply control system for a switching-mode power supply with cycle by cycle, asynchronous control scheme, making use of simulated electronic logic gates for the logical switching means and further including assimilation and artificial intelligence neural control network, such as a perceptron, to determine the electronic simulation and to make use of a mixing of instant and average signals through a feedback system.

IPC 8 full level

**G05F 1/00** (2006.01); **H02M 3/156** (2006.01); **H02M 3/157** (2006.01); **H05B 33/08** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)

**H02M 3/156** (2013.01 - EP US); **H02M 3/157** (2013.01 - EP US); **H05B 45/38** (2020.01 - EP US); **H05B 45/385** (2020.01 - EP US); **H05B 45/375** (2020.01 - EP US); **Y02B 20/30** (2013.01 - EP)

Citation (search report)

- [XI] US 2007041224 A1 20070222 - MOYSE PHILIP J [GB], et al
- See references of WO 2012075542A1

Cited by

CN106292631A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2012075542 A1 20120614**; AU 2011340805 A1 20130502; BR 112013014375 A2 20170801; CA 2820106 A1 20120614; CN 103299528 A 20130911; EP 2649716 A1 20131016; EP 2649716 A4 20171122; JP 2014514892 A 20140619; JP 5960153 B2 20160802; SG 191053 A1 20130830; US 2013264969 A1 20131010; US 9357598 B2 20160531

DOCDB simple family (application)

**AU 2011001598 W 20111209**; AU 2011340805 A 20111209; BR 112013014375 A 20111209; CA 2820106 A 20111209; CN 201180059443 A 20111209; EP 11847074 A 20111209; JP 2013542312 A 20111209; SG 2013044029 A 20111209; US 201113992595 A 20111209